Exercise 1 Say a store sells various fruits. Let B(t) represent the number of bananas sold on day t and M(t) represent the number of mangos sold on day t. Say P(t) represents the price of bananas on day t and Q(t) represents the price of mangos on day t.

(a) Which of the following represents the total number of bananas and manges sold on day t?

Multiple Choice:

- (i) (B+M)(t) \checkmark
- (ii) (B-M)(t)
- (iii) $(B \cdot M)(t)$
- (iv) $\left(\frac{B}{M}\right)(t)$
- (b) Which of the following represents the total money R(t) made by selling bananas on day t?

Multiple Choice:

- (i) (B+P)(t)
- (ii) (B P)(t)
- (iii) $(B \cdot P)(t) \checkmark$
- (iv) $\left(\frac{B}{P}\right)(t)$
- (c) Which of the following represents the total money S(t) made by selling mangos on day t?

Multiple Choice:

- (i) (M+Q)(t)
- (ii) (Q M)(t)
- (iii) $(M \cdot Q)(t) \checkmark$
- (iv) $\left(\frac{M}{Q}\right)(t)$

Which of the following represents the total money made by selling bananas and mangos on day t?

Multiple Choice:

(a) (R+S)(t) \checkmark

- (b) (R S)(t)
- (c) $(R \cdot S)(t)$
- (d) $\left(\frac{R}{S}\right)(t)$